

Listing of Claims

1. (Currently amended) ~~Pharmaceutical~~ A pharmaceutical composition characterized by containing comprising an effective amount of DM43 protein and a pharmaceutically acceptable vehicle.
2. (Currently amended) ~~Composition~~ The composition according to claim 1 characterized by comprising an effective concentration[[s]] of DM43 protein within the range of 10 ng/ml to 1000 ng/mL.
3. (Currently amended) ~~Method~~ A method to inhibit metalloproteinases in human cells, comprising through the administration of contacting an effective amount of DM43 protein with a human cell, thereby inhibiting metalloproteinases in human cells.
4. (Currently amended) ~~Method~~ A method for the treatment of a tumor diseases in a human patient[[s]], characterized by the administration of comprising administering to the patient an effective amount of the DM43 protein composition to the referred patient, as defined in of claim 1, thereby treating the tumor in the patient.
5. (Currently amended) ~~Method~~ The method of claim 4, for the treatment of wherein the tumor is a breast tumor[[s]], prostate tumor[[s]], nape tumor[[s]], head tumor[[s]], and/or lung tumor[[s]], using the composition of claim 1.
6. (Currently amended) ~~Method~~ A method for the treatment of a central nervous system disease[[s]] in a human patient[[s]], comprising administering to the patient an effective amount of using the composition of claim 1, thereby treating the central nervous system disease in the patient.
7. (Currently amended) ~~Method~~ A method for the treatment of diseases such as multiple sclerosis and/or Alzheimer disease in a human patient, comprising administering to the patient an effective amount of using the composition of claim 1 thereby treating multiple sclerosis or Alzheimer disease in the patient.

8. (Currently amended) ~~Method A method for the treatment of an articular disease[[s]] such as osteoarthritis in in a human patient[[s]], comprising administering to the patient an effective amount of using the composition of claim 1, thereby treating the articular disease in the patient.~~

9. (Canceled) ~~Use of DM43 protein in human treatment to inhibit the presence of matrix metalloproteinases.~~

10. (Currently amended) ~~Method A method for the treatment of a tumor diseases in a human patient[[s]], comprising administering to the patient an characterized by the administration of an effective amount of the DM43 proteincomposition of claim 2 to the referred patient, as defined in claim 2, thereby treating the tumor in the patient.~~

11. (Currently amended) ~~Method The method of claim 10, wherein the tumor is for the treatment of a breast tumor[[s]], prostate tumor[[s]], nape tumor[[s]], head tumor[[s]], and or lung tumor[[s]], using the composition of claim 2.~~

12. (Currently amended) ~~Method A method for the treatment of a central nervous system disease[[s]] in a human patient[[s]], comprising administering to the patient an effective amount of using the composition of claim 2, thereby treating the central nervous disease in the patient.~~

13. (Currently amended) ~~Method A method for the treatment of diseases such as multiple sclerosis and or Alzheimer disease in a human patient, comprising administering to the patient an effective amount of using the composition of claim 2, thereby treating multiple sclerosis or Alzheimer disease in the patient.~~

14. (Currently amended) ~~Method A method for the treatment of an articular disease[[s]] such as osteoarthritis in a human patient[[s]], comprising administering to the patient an effective amount of using the composition of claim 2, thereby treating the articular disease in the patient.~~

15. (New) The method of claim 8, wherein the articular disease is osteoarthritis.

16. (New) The method of claim 14, wherein the articular disease is osteoarthritis.